

## Amendment

### **Amendments to Specification**

Please amend the title as follows:

~~SYSTEM AND METHOD FOR REMOTE CUSTOMER~~  
~~MANAGEMENT OF THIRD PARTY VIRTUAL ROUTERS~~  
ALLOCATED TO THE CUSTOMER

Please amend the paragraph beginning at line 6 of page 5 as follows:

Service processing switch 110 can contain one or more blades 112. In some embodiments of the invention, blades 112 have a type associated with them. Examples of blade types include, processing function, such as network blades, control blades, trunk blades, and processor blades. Network blades provide interfaces to different types of networks. Control blades provide system management and accounting functions to the service process system 110. Trunk blades provide access to high speed trunk networks. Processor blades provide general purpose computer processors that in some embodiments of the invention provide firewall, intrusion detection, or directory services. Blades are communicably coupled to one another. In ~~in~~ one embodiment, a packet ring is used to communicably couple the blades 112.

Please amend the paragraph beginning at line 16 of page 7 as follows:

Subscriber management server 210 receives requests from subscriber management client 202. In one embodiment, subscriber management server 210 is provided as part of the InGage software system available from CoSine Communications ~~Communication~~, Inc. In one embodiment of the invention, the server 210 ~~[[is]]~~ includes web server software and communicates with client 202 using a secure Internet

protocol<sub>1</sub> such as the HTTPS (HyperText Transfer Secure) protocol. Using a secure Internet protocol is desirable, because it allows users around the world to securely view and manage network service configurations. The subscriber management server 210 hosts and runs programs<sub>2</sub> which expose specific functionality to the enterprise customers (i.e., subscribers) that the server providers want to provide to the enterprise customers. In one embodiment of the invention, the subscriber management server 210 includes software programs that provide the following functions:

Please amend the paragraph beginning at line 25 of page 9 as follows:

As noted above, the subscriber management system 210 includes the ability to monitor the configuration and status of network resources allocated to a subscriber. Included in the monitoring function is the ability to perform the following:

Please amend the paragraph beginning at line 20 of page 11 as follows:

In some embodiments of the invention, service provider management server 220 includes provider access control component 222 and choking component 224. Provider access control component 222 provides security using an access control mechanism. The access control mechanism provides ~~user-level~~ user-level access control. In one embodiment of the invention, a special user is created to represent subscribers. In one embodiment, the user is called "InGage."<sup>[[.]]</sup> This user is only exposed <sup>[[only]]</sup> to the functionality required by subscriber management systems 210. In some embodiments, during its startup procedures, subscriber management server 210, creates a user session with the service provider management system 220 by logging in as "InGage" and providing the appropriate password. This level of security ensures that only the kind of functions exposed to the subscriber management

system 210 can be used by a hacker who can hack into the service provider management system 220 directly.

Please amend the paragraph beginning at line 4 of page 12 as follows:

Chocking component 224 provides a mechanism to ensure that not more than a configurable number of active subscriber management requests can be submitted to the service provider management system 220 concurrently. If the total number of requests submitted by subscriber management server 210 ever exceeds the maximum allowed, the requests are queued so that a flood of subscriber management requests cannot bring the service provider management system 220 or the network down.